Patent claims

1. A sealing device comprising a conducting element which can be inserted off-center in a through-hole in a housing wall, and which has a sealing body touching both the conducting element and the housing wall,

wherein in the region where the sealing body contacts the conducting element and the housing wall, the cross-sectional profile of the housing wall and the conducting element has at least one recess within which the sealing body can be moved in a radial direction.

2. Sealing device in accordance with claim 1, wherein

the sealing body has one axial seal located in the recess and a further radial seal which mates with a surface which bounds the space between the connector body and the housing wall.

3. Sealing device in accordance with claim 1, wherein

the sealing body can be fixed by means of a clamping device which applies a force to the sealing body in the axial direction.

4. Sealing device in accordance with claim 1, wherein

the recess is formed in the conducting element.

5. Sealing device in accordance with claim 4, wherein

a sealing ring with an internal thread can be screwed onto the conducting element to fix the sealing body.

6. Sealing device in accordance with claim 1,

wherein the recess is formed in the housing wall.

7. Sealing device in accordance with claim 6, wherein

the sealing body can be fixed by means of an adjusting ring with an external thread.

8. Sealing device in accordance with claim 5, wherein

an end stop is formed on the sealing body in a position which lies within the recess.

9. Sealing device in accordance with claim 1, wherein

the sealing body is attached to the conducting element by means of a positive retainer.

10. A method for sealing comprising the step of:

- using a sealing device comprising a conducting element which can be inserted off-center in a through-hole in a housing wall, and which has a sealing body touching both the conducting element and the housing wall,

wherein in the region where the sealing body contacts the conducting element and the housing wall, the cross-sectional profile of the housing wall and the conducting element has at least one recess within which the sealing body can be moved in a radial direction,

to seal an eccentric through-hole for a conducting element, through the housing wall of a gearbox.

11. The method in accordance with claim 10, further comprising the step of:

fixing the sealing body by means of a clamping device which applies a force to the sealing body in the axial direction.

12. The method in accordance with claim 10, further comprising the step of:

screwing a sealing ring with an internal thread onto the conducting element which comprises the recess to fix the sealing body.

13. The method in accordance with claim 10, further comprising the step of:

fixing the sealing body by means of an adjusting ring with an external thread.

14. The method in accordance with claim 10, further comprising the step of:

attaching the sealing body to the conducting element by means of a positive retainer.

15. Method for assembling a sealing device, in which a conducting element and a sealing body are used in a through-hole in a housing wall, comprising the steps of:

- locating the sealing body in the radial direction in at least one recess provided in the contact area in the cross-sectional profile of the housing wall and the conducting element, and

- subjecting the sealing body to a force which acts in the axial direction by means of a clamping device which acts on the sealing body in an axial direction.

16. Method in accordance with claim 15, wherein

the sealing body is located in a radial direction in a recess formed in the conducting element, and is subject to a force which acts in an axial direction applied by an adjusting nut which can be screwed onto the conducting element.

17. Method in accordance with claim 15, wherein

the sealing body is located in a radial direction in a recess formed in the housing wall and is subject to a force which acts in an axial direction applied by an adjusting ring which can be screwed into the recess.